

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Urban Feeders of UPCL for the month of February 2023

SI No	Name of Electricity Distribution Division	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI Calculation		SAIDI Calculation		MAIFI Calculation			
						$\sum Ai \times Ni$ for Division	SAIFI	$\sum Bi \times Ni$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum Ci \times Ni$ for Division	MAIFI
							Nos.		Min				Nos.
1	Raipur Dehradun	11	105	2845	1707	55188	19	934256	328	96	1707	43897	15
2	Mohanpur	11	47	5620	3091	145277	26	4976510	886	17	3091	52547	9
3	Vikasnagar	11	206	46556	37245	1206051	26	22295225	479	10	37245	64853	1
4	Rishikesh	11	760	34873	24411	667869	19	7308109	210	16	24411	7111	0.2
5	Uttarkashi	11	138	8288	7619	209768	25	2439078	294	6	7619	8505	1
6	Barkot	11	27	2370	1850	49950	21	268250	113	24	1850	44400	19
7	Doiwala	11	-	-	-	-	-	-	-	-	-	-	-
8	Dehradun (North)	11	501	3591	3591	50661	14	1537494	428	435	3591	43605	12
9	Dehradun (South)	11	849	112477	112477	1770988	16	29591102	263	230	112477	482814	4
10	Dehradun (Central)	11	500	3826	3826	49579	13	1247305	326	306	3826	31647	8
11	Srinagar	11	118	18888	9444	149244	8	2419188	128	9	9444	9699	1
12	Pauri	11	119	16929	4650	95315	6	2572925	152	22	4650	14965	1
13	Nainidanda	11	-	-	-	-	-	-	-	-	-	-	-
14	Tehri	11	157	30827	24716	278266	9	14758870	479	404	24716	818716	27
15	Gopeshwar	11	362	8308	3323	164494	20	3726156	449	41	3323	19692	2
16	Narayanbagar	11	45	1760	1056	25938	15	1080676	614	6	1056	3458	2
17	Gairsain	11	150	10594	10594	311802	29	7463653	705	15	10594	27472	3
18	Kotdwar	11	597	56803	28030	696464	12	30146654	531	768	28030	803483	14
19	Rudraprayag	11	122	5210	3655	71219	14	1349208	259	6	3655	2862	1
20	Roorkee(Urban)	11	1590	31220	13104	1467340	47	31407320	1006	82	13104	182637	6
21	Roorkee(Rural)	11	769	24045	14427	1250340	52	36019410	1498	43	14427	96933	4
22	Ramnagar (Roorkee)	11	314	20856	17218	476381	23	17204349	825	49	17218	74340	4
23	Bhagwanpur	11	-	-	-	-	-	-	-	-	-	-	-
24	Haridwar(Urban)	11	234	1837	1369	12479	7	220368	120	81	1369	3797	2
25	Haridwar(Rural)	11	-	-	-	-	-	-	-	-	-	-	-
26	Jwalapur	11	764	23646	14412	537244	23	12990164	549	32	14412	22728	1
27	Laksar	11	34	3255	1953	37395	11	830502	255	4	1953	4605	1
28	Hadwani (Urban)	11	875	124318	13979	746216	6	13708183	110	45	13979	29635	0
29	Haldwani (Rural)	11	100	12302	6284	189366	15	2707500	220	9	6284	19624	2
30	Nainital	11	186	28351	24394	330703	12	12564107	443	42	24394	61538	2
31	Ramnagar	11	195	21573	8229	279725	13	3619744	168	52	8229	76056	4
32	Kashipur	11	406	39753	19081	763770	19	25152182	633	149	19081	282395	7
33	Bazpur	11	334	14254	8552	472417	33	14229727	998	42	8552	58899	4
34	Jaspur	11	69	11368	6821	120689	11	3712848	327	24	6821	41273	4
35	Rudrapur-I	11	942	44270	26562	2257780	51	35947240	812	49	26562	107610	2
36	Rudrapur-II	11	595	37237	22342	1265192	34	26475507	711	28	22342	56090	2
37	Sitraganj	11	42	8307	4153	44696	5	1395940	168	0	4153	0	0
38	Khatima	11	139	7159	4455	147620	21	1821325	254	0	4455	0	0
39	Almora	11	417	10688	10688	427411	40	6066978	568	27	10688	25699	2
40	Bageshwar	11	104	5313	5313	255003	48	2818593	531	22	5313	40209	8
41	Ranikhet	11	80	3029	3029	76802	25	818549	270	32	3029	13525	4
42	Bhikiyasain	11	-	-	-	-	-	-	-	-	-	-	-
43	Pithoragarh	11	414	37559	12278	605786	16	9398783	250	20	12278	27153	1
44	Dharchula	11	185	10850	6865	201532	19	2613212	241	65	6865	15950	1
45	Champawat	11	114	10788	3687	84018	8	3585723	332	63	3687	45141	4
	UPCL	11	13705	901742	530480	18047978	20	399422912	443	3371	530480	3765562	4

Distribution System Reliability Indices (SAIFI, SAIDI & MAIFI) of Rural Feeders of UPCL for the month of February 2023

SI No	Name of Electricity Distribution Division	Feeder Voltage	Nos of Outages > 5 Min	Total Connected Load KW	Affected Load KW	SAIFI Calculation		SAIDI Calculation		MAIFI Calculation			
						$\sum A_i X N_i$ for Division	SAIFI	$\sum B_i X N_i$ for Division	SAIDI	Nos of Outages < 5 Min	Affected Load KW	$\sum C_i X N_i$ for Division	MAIFI
		KV	KW		Nos.	Min			Nos.				
1	Raipur Dehradun	11	684	45976	27586	1515023	33	22896110	498	411	27586	559883	12
2	Mohanpur	11	509	43900	28131	981751	22	18318477	417	337	28131	661645	15
3	Vikasnagar	11	781	119431	95545	2931140	25	44621062	374	15	95545	97476	1
4	Rishikesh	11	-	-	-	-	-	-	-	-	-	-	-
5	Uttarkashi	11	517	19948	18048	498418	25	3511216	176	17	18048	17810	1
6	Barkot	11	646	24419	20198	535249	22	6775249	277	712	20198	617713	25
7	Doiwala	11	307	25514	25514	467197	18	17668089	692	42	25514	52149	2
8	Dehradun (North)	11	-	-	-	-	-	-	-	-	-	-	-
9	Dehradun (South)	11	-	-	-	-	-	-	-	-	-	-	-
10	Dehradun (Central)	11	-	-	-	-	-	-	-	-	-	-	-
11	Srinagar	11	1092	59279	29639	825105	14	20405228	344	191	29639	220572	4
12	Pauri	11	924	68599	13735	900884	13	20348500	297	211	13735	190030	3
13	Nainidanda	11	552	24509	9318	274616	11	4296930	175	164	9318	75389	3
14	Tehri	11	1255	103926	62356	1795901	17	63121915	607	1620	62356	1895049	18
15	Gopeshwar	11	993	8745	3498	251658	29	9027314	1032	166	3498	55591	6
16	Narayanbagar	11	502	11506	6904	347460	30	8051905	700	84	6904	55466	5
17	Gairsain	11	541	22574	22574	642663	28	13444750	596	63	22574	62237	3
18	Kotdwar	11	1144	33774	7118	509328	15	8193788	243	286	7118	146972	4
19	Rudraprayag	11	664	12392	9559	325557	26	7602746	614	92	9559	43664	4
20	Roorkee(Urban)	11	1750	22830	13698	936030	41	33491610	1467	550	13698	436510	19
21	Roorkee(Rural)	11	2825	84482	50690	3886172	46	164908864	1952	318	50690	839547	10
22	Ramnagar (Roorkee)	11	429	28874	20800	715204	25	30627081	1061	120	20800	200057	7
23	Bhagwanpur	11	3862	3266	3266	182896	56	5147216	1576	415	3266	30804	9
24	Haridwar(Urban)	11	377	243	168	11936	49	301140	1239	72	168	2359	10
25	Haridwar(Rural)	11	95	8576	7797	92589	11	2446309	285	16	7797	15594	2
26	Jwalapur	11	1182	29807	14875	842910	28	32619630	1094	67	14875	30447	1
27	Laksar	11	1119	85190	51114	3265235	38	151611233	1780	79	51114	314422	4
28	Hadwani (Urban)	11	160	18129	2429	131523	7	1689677	93	36	2429	28567	2
29	Haldwani (Rural)	11	1596	261502	147854	3627105	14	63091622	241	360	147854	872155	3
30	Nainital	11	468	42302	18444	310678	7	5377081	127	103	18444	69787	2
31	Ramnagar	11	855	29804	16661	653275	22	10827178	363	165	16661	113329	4
32	Kashipur	11	1273	55894	30208	1826480	33	91655767	1640	463	30208	594736	11
33	Bazpur	11	1746	40423	24254	2330990	58	102536066	2537	198	24254	279344	7
34	Jasipur	11	644	33024	19814	780412	24	41972034	1271	285	19814	346856	11
35	Rudrapur-I	11	1231	81837	49102	5756643	70	227182309	2776	75	49102	283621	3
36	Rudrapur-II	11	1560	42191	25315	3250232	77	124610512	2953	38	25315	80092	2
37	Sitraganj	11	851	33257	16629	860716	26	60295701	1813	0	16629	0	0
38	Khatima	11	443	48492	15269	555701	11	16308424	336	0	15269	0	0
39	Almora	11	1064	13552	13552	551843	41	8221039	607	90	13552	45980	3
40	Bageshwar	11	1706	46817	46817	2833980	61	37715170	806	213	46817	364318	8
41	Ranikhet	11	906	13280	13280	519626	39	9305282	701	166	13280	88227	7
42	Bhikiyasain	11	728	9535	9535	192347	20	5800413	608	205	9535	62999	7
43	Pithoragarh	11	1466	58960	26472	839596	14	14151645	240	156	26472	84433	1
44	Dharchhula	11	720	23910	13651	523151	22	8983212	376	305	13651	41321	2
45	Champawat	11	631	31914	9890	311080	10	8307816	260	356	9890	183208	6
UPCL		11	40798	1772583	1041305	48590301	27	1527467308	862	9262	1041305	10160359	6